



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H129625-AA

Mode: Highway

Status: Submitted

I-74 (Winston-Salem Northern Beltway-Eastern Section)

From/Cross Street: US 311

Specific Improvement Type: 5 - Construct Roadway on New Location

To: I-40

Project Category: Statewide Mobility

Length: 16.8

TIP#: U-2579AA

Fully Funded in Draft STIP? No

Cost to NCDOT: \$66,585,000

Description:

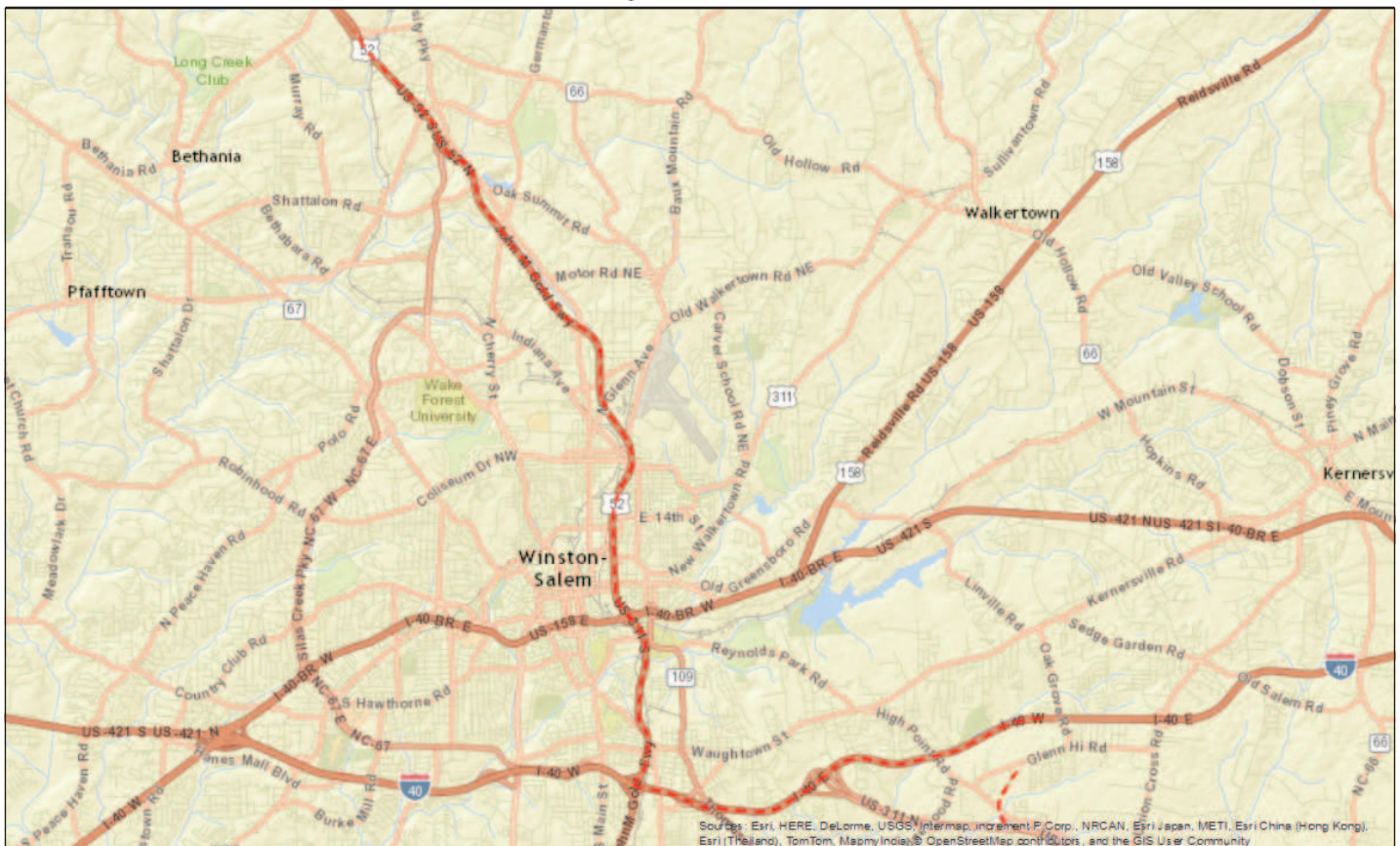
Construct Freeway on New Location.

Division(s): Division 9

County(s): FORSYTH

MPOS(s)/RPO(s): Winston Salem Urban Area MPO

Project Location



Statewide Mobility Total Score: 43.54

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%) 72.39 Safety (10%) 68.04 Economic Competitiveness (10%) 92.50 Multimodal + [Freight & Military] (20%) 26.86 [Travel Time] Benefit/Cost (30%) 1.33	N/A	N/A
Totals: Weight: 100% Weighted Score: 43.54		

Regional Impact Total Score: 65.23

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (10%) 68.04 [Travel Time] Benefit/Cost (25%) 1.33 Accessibility / Connectivity (10%) 30.67 Congestion (V/C) (25%) 72.39	Percent: 15% Points: 100	Percent: 15% Points: 100
Totals: Weight: 70% Weighted Score: 35.23		

Division Needs Total Score: 21.55

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 72.39 Safety (10%) 68.04 [Travel Time] Benefit/Cost (20%) 1.33	Percent: 25% Points: 0	Percent: 25% Points: 0
Totals: Weight: 50% Weighted Score: 21.55		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	59
Length (miles):	16.7
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Other Principal Arterial- Other Freeway
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	7
Roadway has Curb & Gutter?	No
Volume (AADT):	62020.02
Capacity:	78206.84
Volume/Capacity Ratio:	0.79
% Autos:	91%
% Trucks:	9%
Truck Volume:	5371.23
Crash Density:	69.92
Crash Severity:	69.2
Critical Crash Rate:	65.01
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	25
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	82
Actual Congested Speed:	55.61
Travel Time Index:	1.03

Project Benefits

Project Cross-Section:	6A - 6 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	65
Length (miles):	16.8
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Interstate
TerrainType:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	10
Travel Time Savings for 30 Years (Total):	43507525.23
Travel Time Savings for 30 Years (Autos):	39739563.83
Travel Time Savings for 30 Years (Trucks):	3767961.4
Long-Term Employment:	713
% Change in Economy:	0.00113692
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 9

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 9	100%	100	0
	0%	0	0
	0%	0	0
TOTAL Division Points		100	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Winston Salem Urban Area MPO	100%	100	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	0

Project Cost and Source

Construction Cost:	\$61,000,000	TIP Unit
Right-of-Way Cost:	\$4,885,000	TIP Unit
Utilities Cost:	\$700,000	TIP Unit
Total Project Cost:	\$66,585,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$66,585,000	